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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/650,194	08/29/2000	Keith Henry Stockman Campbell	7681.0010-00	8594
22852 EINNECAN I	7590 12/26/200'	EXAMINER		
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413		CROUCH, DEBORAH		
		ART UNIT	PAPER NUMBER	
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			MAIL DATE	DELIVERY MODE
•			12/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental							
Notice	of Allowability	,					

	Application No.	Applicant(s)		
09/650,194		CAMPBELL ET AL.		
	Examiner	Art Unit		
	Deborah Crouch, Ph.D.	1632		

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	Deborat	Crouch, Ph.D.	1632				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiation of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.							
1. X This communication is responsive to the interview summar	ry of Dece	mber 6, 2007.					
2. 🔀 The allowed claim(s) is/are <u>19-50</u> .							
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 	nder 35 U.	S.C. § 119(a)-(d) or (f).					
 Certified copies of the priority documents have 	e been rec	eived.					
Certified copies of the priority documents have	e been rec	eived in Application No. <u>08</u>	<u>/803,165</u> .				
Copies of the certified copies of the priority do	cuments h	ave been received in this r	national stage applica	tion from the			
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			complying with the red	quirements			
4. A SUBSTITUTE OATH OR DECLARATION must be submi				OTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be subm	itted.					
(a) ☐ including changes required by the Notice of Draftspers			948) attached				
1) hereto or 2) to Paper No./Mail Date			, , , ,				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		ent / Comment or in the O	ffice action of				
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the				back) of			
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIC	LOGICAL MATERIAL m	nust be submitted. N	lote the			
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Attachment(s)							
1. Notice of References Cited (PTO-892)		5. Notice of Informal Pa	atent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		6. X Interview Summary (
3. ☐ Information Disclosure Statements (PTO/SB/08),		Paper No./Mail Date 7. Examiner's Amendm	e <u>12/6/07</u> .				
Paper No /Mail Date		7. L. Examiner 3 Amendin	ichib Gominient				
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	•	8. Examiner's Statemer	nt of Reasons for Allo	wance			
		9. Other	·				
		·	Deborah Crouch, F Primary Examiner Art Unit: 1632	'h.D.			
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U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06) Art Unit: 1632

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Sal Arrigo on December 6, 2007.

- 1. Please rewrite claims 35, 39, 43 and 47 as follows:
 - 35. A method of cloning an ungulate by nuclear transfer comprising:
 - (i) inserting a nucleus of a cultured diploid ungulate fibroblast in the G1 phase of the cell cycle into an unactivated, enucleated metaphase II-arrested ungulate oocyte of the same species to reconstruct an embryo;
 - (ii) maintaining the reconstructed embryo without activation for a sufficient time to allow the reconstructed embryo to become capable of developing to term;
 - (iii) activating the resultant reconstructed embryo;
 - (iv) culturing said activated, reconstructed embryo to blastocyst; and
 - (v) transferring said cultured, reconstructed embryo to a host ungulate of the same species such that the reconstructed embryo develops to term.
 - 39. A method of cloning an ungulate fetus by nuclear transfer comprising:
 - (i) inserting a nucleus of a cultured diploid ungulate fibroblast in the G1 phase of the cell cycle into an unactivated, enucleated metaphase II-arrested ungulate oocyte of the same species to reconstruct an embryo;
 - (ii) maintaining the reconstructed embryo without activation for a sufficient time to allow the reconstructed embryo to become capable of developing to term;
 - (iii) activating the resultant reconstructed embryo;
 - (iv) culturing said activated, reconstructed embryo to blastocyst; and

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(v) transferring said cultured, reconstructed embryo to a host ungulate of the same species such that the reconstructed embryo develops into a fetus.

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- 43. A method of cloning an ungulate by nuclear transfer comprising:
- (i) inserting a nucleus of a cultured diploid ungulate differentiated cell in the G1 phase of the cell cycle into an unactivated, enucleated metaphase II-arrested ungulate oocyte of the same species to reconstruct an embryo;
- (ii) maintaining the reconstructed embryo without activation for a sufficient time to allow the reconstructed embryo to become capable of developing to term;
 - (iii) activating the resultant reconstructed embryo;
- (iv) culturing said activated, reconstructed embryo to blastocyst; and transferring said cultured, reconstructed embryo to a host ungulate of the same species such that the reconstructed embryo develops to term.
 - 47. A method of cloning an ungulate fetus by nuclear transfer comprising:
- (i) inserting a nucleus of a cultured diploid ungulate differentiated cell in the G1 phase of the cell cycle into an unactivated, enucleated metaphase II-arrested ungulate oocyte of the same species to reconstruct an embryo;
- (ii) maintaining the reconstructed embryo without activation for a sufficient time to allow the reconstructed embryo to become capable of developing to term;
 - (iii) activating the resultant reconstructed embryo;
 - (iv) culturing said activated, reconstructed embryo to blastocyst; and
- (v) transferring said cultured, reconstructed embryo to a host ungulate of the same species such that the reconstructed embryo develops into a fetus.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deborah Crouch, Ph.D. whose telephone number is 571-272-0727. The examiner can normally be reached on M-Fri, 6:00 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Paras can be reached on 571-272-4517. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Deborah Crouch, Ph.D. Primary Examiner

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December 21, 2007